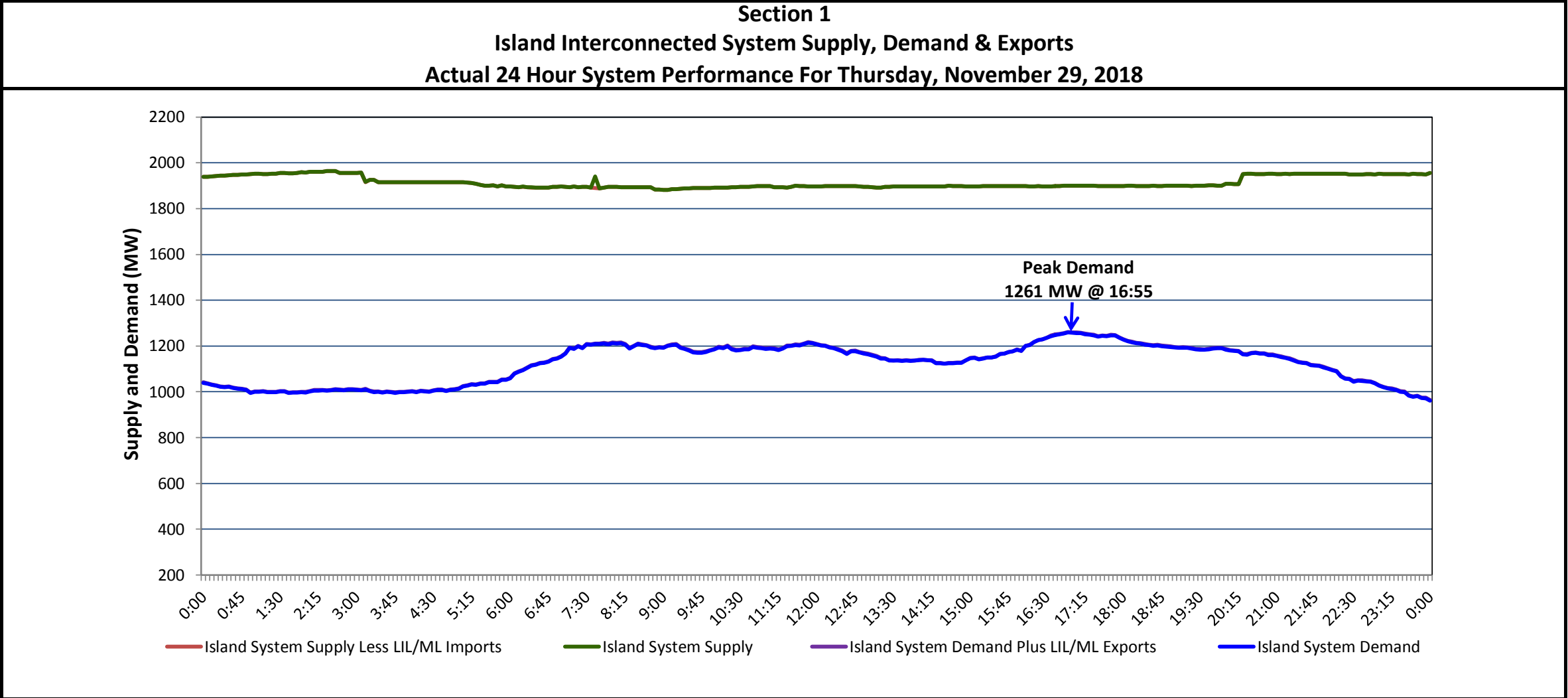


Newfoundland Labrador Hydro (NLH)
Supply and Demand Status Report Filed Friday, November 30, 2018



Supply Notes For November 29, 20181,2

A	As of 1844 hours, November 26, 2018, Hardwoods Gas Turbine available at 25 MW (50 MW).
B	As of 1635 hours, November 28, 2018, Holyrood Unit 1 available at 160 MW (170 MW).
C	At 0241 hours, November 29, 2018, Paradise River Unit unavailable (8 MW).
D	At 0310 hours, November 29, 2018, Granite Canal Unit unavailable (40 MW).
E	At 0313 hours, November 29, 2018, Paradise River Unit available (8 MW).
F	At 0332 hours, November 29, 2018, Paradise River Unit unavailable (8 MW).
G	At 1958 hours, November 29, 2018, Paradise River Unit available (8 MW).
H	At 2018 hours, November 29, 2018, Granite Canal Unit available (40 MW).

Section 2
Island Interconnected Supply and Demand

Fri, Nov 30, 2018	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	1,910 MW	Friday, November 30, 2018	2	3	1,310	1,215
NLH Island Generation: ⁴	1,595 MW	Saturday, December 01, 2018	2	2	1,315	1,220
NLH Island Power Purchases: ⁶	125 MW	Sunday, December 02, 2018	1	0	1,260	1,165
Other Island Generation:	190 MW	Monday, December 03, 2018	0	6	1,415	1,319
ML/LIL Imports:	- MW	Tuesday, December 04, 2018	3	1	1,285	1,190
Current St. John's Temperature & Windchill: 1 °C	N/A °C	Wednesday, December 05, 2018	-4	-3	1,420	1,324
7-Day Island Peak Demand Forecast:	1,455 MW	Thursday, December 06, 2018	-3	-3	1,455	1,358

Supply Notes For November 30, 20183

I	At 0715 hours, November 30, 2018, Granite Canal Unit unavailable due to planned outage (40 MW).
J	At 0756 hours, November 30, 2018, Hardwoods Gas Turbine unavailable due to planned outage 25 MW (50 MW).

- Notes:
1.

Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
2.

Due to the Island system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as under frequency load shedding (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
3.

As of 0800 Hours.
4.

Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
5.

Gross output from all Island sources (including Note 4).
6.

NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
7.

Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

Section 3
Island Peak Demand Information
Previous Day Actual Peak and Current Day Forecast Peak

Thu, Nov 29, 2018	Actual Island Peak Demand ⁸	16:55	1,261 MW
Fri, Nov 30, 2018	Forecast Island Peak Demand		1,310 MW

Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).